| _ | Index of Claims  |          |             |          |          |        |          |          |          |                 |           |            |            | Application/Control No. |                        |              |              |                |           |              |     |              |   | Applicant(s)/Patent under |                              |                        |          |         |              |          |                   |         |           |   |  |
|---|--|----------|-------------|----------|----------|--------|----------|----------|----------|-----------------|-----------|------------|------------|-------------------------|------------------------|--------------|--------------|----------------|-----------|--------------|-----|--------------|---|---------------------------|------------------------------|------------------------|----------|---------|--------------|----------|-------------------|---------|-----------|---|--|
|   | 1 (8 6 18) (18) ( 8 6 14 8 6 18) ( 8 18 1 8 18 1 8 18 1 8 18 1 8 18 1 8 18 1 |          |             |          |          |        |          |          |          |                 |           |            |            |                         | 40/000 540             |              |              |                |           |              |     |              |   |                           | Reexamination HAGAN, KENNETH |                        |          |         |              |          |                   |         |           |   |  |
|   |  |          |             |          |          |        |          |          |          |                 |           |            |            |                         | 10/682,543<br>Examiner |              |              |                |           |              |     |              |   |                           | Ar                           | t Un                   |          |         |              |          |                   |         |           |   |  |
|   |  |          |             |          |          |        |          |          |          |                 |           |            |            |                         |                        |              |              |                |           |              |     |              |   |                           |                              |                        |          |         |              |          |                   |         |           |   |  |
|   |  |          |             |          |          |        |          |          |          |                 |           |            |            |                         |                        |              | G            | Gary Estremsky |           |              |     |              |   |                           |                              |                        | 36       | 76      |              |          |                   |         |           |   |  |
|   | / Paiected (Through numeral)   |          |             |          |          |        |          |          |          |                 |           |            |            |                         | ral)                   |              |              |                |           |              |     |              |   |                           |                              |                        |          |         |              |          |                   |         |           |   |  |
|   |  |          | ا √         | Rejected |          |        |          |          |          | -               | Cancelled |            |            |                         | C 1 G                  | ,            |              |                | N         | Non-Elected  |     | ed           |   | Α                         | Appeal                       |                        |          |         |              |          |                   |         |           |   |  |
|   |  |          | =           | Allowed  |          |        |          |          |          | ÷               |           | Restricted |            |                         |                        |              |              | ſ              | 1         | Interference |     |              | <u></u>   |                           | 0                            | Objected               |          |         |              |          |                   |         |           |   |  |
|   |  |          |             |          | ***      |        |          |          | Ш        | <u> </u>        |           | Nestricted |            |                         |                        |              |              |                | <u>'</u>  |              |     |              |   |                           |                              |                        |          |         |              |          |                   |         |           |   |  |
| [ | Cla  |          |             |          |          | Date   | e        |          |          | ٦               | Claim     |            |            |                         |                        |              | ate          | te             |           |              | ٦ [ | Claim        |   | Γ                         |                              | Date                   |          |         |              |          | 7                 |         |           |   |  |
|   |  |          |             |          |          |        |          |          |          |                 |           |            | Т          |                         |                        |              |              | T              |           | $\top$       |     | 7 i          |   |                           |                              |                        |          |         |              |          | 1                 |         |           |   |  |
|   | Final  | Original | ६ ५५०५      |          |          |        |          |          |          |                 |           | Final      |            | Original                |                        |              |              |                |           | -            |     |              |   | Final                     | Original                     |                        |          |         |              |          | l                 |         |           | • |  |
|   | -  |          | ٤           |          | _        |        |          |          |          |                 | _         |            |            | - 1                     | _                      | 4            | $\downarrow$ | $\perp$        | 4         | 4            | _ _ | $\perp$      | 4   |                           | _                            |                        | _        | 1       | <u> </u>     |          |                   |         | _         |   |  |
| ŀ |  | 2        | <b>'</b>    |          |          |        |          |          |          | $\vdash$        | ┥         |            |            | 51                      | +                      | +            | $\dashv$     | $\dashv$       | +         | -            | -   | +            | ┨┤╏   |                           | 101<br>102                   | H                      | $\dashv$ | +       | <del> </del> |          | +                 | +       | $\dashv$  |   |  |
|   |  | 3        |             |          |          |        |          |          |          |                 |           |            | 5          | 3                       |                        | 1            | $\exists$    | $\exists$      | $\exists$ |              |     |              | ] [   |                           | 103                          |                        |          |         |              |          |                   |         |           |   |  |
| ļ |  | 4        | $\parallel$ |          |          |        |          |          |          |                 | 4         |            |            | 55                      | _                      | 4            | 4            | 4              | 4         | 4            | -   | 4            | -   |                           | 104<br>105                   |                        | _        | _       | <u> </u>     | <u> </u> | $\perp$           | _       | 4         |   |  |
|   |  | 5        | -           |          |          |        |          |          |          | $\vdash$        | $\dashv$  | $\vdash$   |            | i6                      | +                      | +            | +            | -+             | +         | +            |     | +            | -     -       - </td <td></td> <td>105</td> <td>H</td> <td></td> <td></td> <td></td> <td></td> <td>+</td> <td></td> <td><math>\exists</math></td> <td></td> <td></td> |                           | 105                          | H                      |          |         |              |          | +                 |         | $\exists$ |   |  |
| · |  | 7        |             |          |          |        |          |          |          |                 |           |            | 5          | 7                       |                        | 1            | $\downarrow$ |                |           |              |     |              | ]   |                           | 107                          |                        |          |         |              |          |                   |         |           |   |  |
| } |  | 9        | -           |          |          |        |          |          |          | $\vdash$        | -         | -          |            | 58<br>59                | -                      | +            | +            | $\dashv$       | +         | -            |     | +            | -   |                           | 108<br>109                   | $\vdash$               |          | _       | ╁            | -        | $\vdash$          | _       | -         |   |  |
| Ì |  | 10       |             |          |          |        |          |          |          |                 |           |            | $\epsilon$ | 30                      |                        | $\dagger$    | $\top$       |                | $\exists$ | $\exists$    |     | $\top$       | <u> </u>  |                           | 110                          |                        |          |         |              |          |                   |         |           |   |  |
|   |  | 11       | 1           |          |          |        |          |          | _        | -               | 4         | <u> </u>   |            | 61<br>62                | -                      | $\dashv$     | -            | 4              | 4         |              |     |              | -   |                           | 111<br>112                   |                        |          |         | ـــ          | -        |                   | -       | _         |   |  |
| ļ |  | 12<br>13 | -           |          |          |        |          | <b>-</b> | <u> </u> |                 | -         | -          |            | 33                      | +                      | $\dashv$     | -            | $\dashv$       | +         | +            | +   | +            | ┨╏  |                           | 113                          | Н                      | +        | +       | +-           | -        | $\vdash$          | +       | 1         |   |  |
| ļ |  | 14       |             |          |          |        |          |          |          |                 |           |            | ₹          | 64                      | 1                      | 1            | $\Box$       | $\Box$         | 1         | $\Box$       |     | 1            | ] [   |                           | 114                          |                        |          | $\perp$ |              |          |                   |         |           |   |  |
| ļ |  | 15<br>16 | ╫           |          |          |        |          |          |          | $\vdash$        | -         |            |            | 55<br>66                | +                      | +            | +            | +              | $\dashv$  | +            | +   | +            | ┨╏  |                           | 115<br>116                   | $\blacksquare$         | +        | +       | $\vdash$     |          | +                 | +       | -         |   |  |
|   |  | 17       |             |          |          |        |          |          |          |                 |           |            | E          | 57                      | 1                      | 1            | 1            | 1              | 1         |              |     | $^{\dagger}$ | 1   |                           | 117                          |                        |          |         |              |          |                   |         |           |   |  |
|   |  | 18       | 1           |          |          |        |          |          |          |                 | _         |            |            | 8<br>8                  | _                      | _ .          | -            | _              | 4         |              |     |              |   |                           | 118<br>119                   |                        | $\perp$  | +       | ╀            | ┡        | $\dashv$          | +       | 4         |   |  |
|   |  | 19<br>20 | 1           | $\vdash$ |          |        |          |          |          | $\vdash$        | $\dashv$  |            |            | 70                      | -                      | +            | $\dashv$     | $\dashv$       | $\dashv$  | $\dashv$     | -   | +            | $\dashv \dagger$  |                           | 120                          | $\vdash$               | $\dashv$ | +       | ╁            | ╁        | $\dashv$          | +       | $\dashv$  |   |  |
|   |  | 21       |             |          |          |        |          |          |          |                 |           |            | 7          | 1                       |                        |              | 1            |                |           | $\Box$       | 1   | $\top$       | ] [   |                           | 121                          |                        |          | $\bot$  |              |          |                   |         |           |   |  |
|   |  | 22<br>23 | -           | -        |          |        |          |          |          |                 |           |            | 1          | 72<br>73                |                        | -            | +            | -              | $\dashv$  | +            | -   | +            | -   |                           | 122<br>123                   |                        | +        | +       | +            | ┢        |                   | -       | $\dashv$  |   |  |
|   |  | 24       |             |          |          |        |          |          |          |                 |           |            | 7          | '4                      |                        | $\downarrow$ |              |                |           |              |     |              | ] [   |                           | 124                          |                        |          |         |              |          |                   | $\perp$ |           |   |  |
|   |  | 25<br>26 |             |          |          |        |          |          |          |                 | 4         |            | 17         | '5<br>'6                | 4                      | $\dashv$     | 4            | 4              |           |              | +   | +            | -   |                           | 125<br>126                   | $\sqcup$               | +        | +       | ╀            | ┝        | $\dashv$          | +       | 4         |   |  |
|   |  | 27       | $\vdash$    | $\vdash$ |          |        |          |          |          |                 | ┪.        |            | +          | 77                      |                        | +            | $\dashv$     | $\forall$      | $\dashv$  | $\dashv$     | +   | +            | $\dashv \mid$   |                           | 127                          | -                      |          |         | +-           | $\vdash$ | $\dashv$          | +       | $\dashv$  |   |  |
|   |  | 28       |             |          |          |        |          |          |          |                 |           |            |            | '8                      |                        | 4            |              |                |           | _            |     | 1            | <b>]</b> [  |                           | 128                          |                        |          | $\bot$  |              |          |                   |         |           |   |  |
|   |  | 29<br>30 | _           |          |          |        |          |          | _        | -               | -         | -          |            | 79<br>30                |                        | +            | +            | -              | $\dashv$  | -+           | -   | +            | ┨╏  |                           | 129<br>130                   |                        | +        | +       | ╁            | ├        |                   | +       | $\dashv$  |   |  |
|   |  | 31       |             |          |          |        |          |          |          |                 |           |            | 8          | 31                      |                        |              |              | _              |           |              |     |              | ] [   |                           | 131                          |                        |          |         |              | 匚        |                   |         | 1         |   |  |
|   |  | 32<br>33 |             |          |          |        |          |          | _        |                 | -         |            |            | 32                      |                        | -            | -            | -              | $\dashv$  | $\dashv$     | +   | +            | -   |                           | 132<br>133                   | $\vdash$               | +        | +       | ╀            | ├-       |                   |         | $\dashv$  |   |  |
|   |  | 34       |             |          |          |        |          |          |          | $\vdash$        | 1         |            |            | 34                      |                        | $\dagger$    |              | 1              | +         | -+           | +   | $\dagger$    | 1 1   |                           | 134                          |                        | $\dashv$ | +       | +            | $\vdash$ | +                 | +       | $\dashv$  |   |  |
|   |  | 35       |             |          |          |        |          |          |          |                 |           |            |            | 35                      |                        | $\Box$       |              |                |           |              |     | $\perp$      | ] [   |                           | 135                          |                        |          |         |              |          |                   |         |           |   |  |
|   |  | 36<br>37 |             |          |          |        |          |          | <u> </u> | $\vdash$        | $\dashv$  |            |            | 36<br>37                |                        | +            | -+           | -              | $\dashv$  | -            | -   | +            | ┥┟  |                           | 136<br>137                   |                        | +        | +-      | ┼-           | ├        |                   |         | $\dashv$  |   |  |
|   |  | 38       |             |          |          |        |          |          |          |                 | 1         |            | 8          | 38                      |                        |              |              |                |           |              |     | 1            | ]   |                           | 138                          |                        |          |         |              |          |                   |         |           |   |  |
|   |  | 39<br>40 |             | Ш        | -        |        |          |          | _        | -               | 4         |            |            | 39<br>90                |                        | -            | _            | -              | 4         | 4            | _   | -            |   |                           | 139<br>140                   | -                      |          |         | ╀            | -        |                   | +       | $\dashv$  |   |  |
|   |  | 41       |             | H        |          |        |          |          |          |                 | $\exists$ |            | 9          | 91                      | _                      | _            | _+           | _              | _         |              | _   | +            | <u></u>   |                           | 141                          | Н                      | _        | _       | $\dagger$    | $\vdash$ |                   | _       | $\dashv$  |   |  |
|   |  | 42       |             |          |          |        |          |          | _        |                 | $\exists$ |            | 9          | 2                       | 1                      | $\dashv$     | 1            |                | $\dashv$  | 7            | 7   | 1            | ]   |                           | 142                          |                        | $\top$   | T       |              |          |                   | 7       | 4         |   |  |
|   |  | 43<br>44 | $\vdash$    | Н        | $\vdash$ |        | $\vdash$ |          | $\vdash$ | $\vdash$        | $\dashv$  | -          |            | 94                      | +                      | +            | $\dashv$     | +              | $\dashv$  |              | +   | +            | $\dashv \ \ \mid$   | _                         | 143<br>144                   | $\left  \cdot \right $ | +        | +       | ┼-           | +        | $\vdash$          | +       | $\dashv$  |   |  |
|   |  | 45       |             |          |          |        |          |          |          |                 | ゴ         |            | 9          | 95                      |                        | $\Box$       |              |                | $\exists$ |              | 士   | 1            | ] [   |                           | 145                          |                        |          | 士       | ፗ            | 匚        |                   |         |           |   |  |
|   |  | 46<br>47 | H           | Н        |          |        |          |          |          | $\vdash \vdash$ | 4         |            |            | 96<br>97                | _                      | +            | +            | $\perp$        | $\dashv$  | $\dashv$     |     | +            | -   |                           | 146<br>147                   | $\vdash$               | -        | +       | +            |          |                   | - -     | 4         |   |  |
|   |  | 48       |             |          |          |        |          |          |          |                 | $\exists$ |            | 9          | 8                       | _                      | _            | _            |                | _         | $\exists$    | _   | $\pm$        | <u> </u>  |                           | 148                          |                        | _        | _       | $\perp$      |          | $\vdash \uparrow$ | _       | _         |   |  |
|   |  | 49       |             |          | $\Box$   | $\Box$ |          |          |          | $oxed{\Box}$    | 4         |            |            | 9                       | $\bot$                 | $\bot$       | Ţ            | $\dashv$       | $\exists$ | Ţ            |     | T            | ] [   |                           | 149                          | П                      | T        | $\perp$ |              | F        |                   | Ţ       | 7         |   |  |
|   |  | 50       |             |          |          |        |          |          | L        | i               |           |            | 11         | 00                      |                        |              |              |                | _1        |              |     |              | J l   |                           | 150                          | i . l                  |          |         |              | 1        | 1 1               |         |           |   |  |